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"Educational excursions by senior high students," Atlanta High School Journal, 2:5-6, March 15, 1924.

A list of the places visited by senior high-school students in Atlanta, Georgia, and the number of students visiting each is given.

"Improving high school commencements," American Educational Digest, 43:339-41, 366, 368, April, 1924.

A summary of practices and suggestions from almost twenty-five hundred educators is given, with quotations from a number. Data are included as to kinds of programs, the length of exercises, costs, and so forth.

BULLETIN NO. 30

BUREAU OF EDUCATIONAL RESEARCH
COLLEGE OF EDUCATION

THE DUTIES OF MEN ENGAGED AS PHYSICAL
DIRECTORS OR ATHLETIC COACHES
IN HIGH SCHOOLS

By

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THE UNIVERSITY OF THE
MAY 26 1926

PRICE 25 CENTS

PUBLISHED BY THE UNIVERSITY OF ILLINOIS, URBANA
1926



PREFACE

The research reported in this bulletin is limited to the collection and summarization of certain data relative to men who are employed as physical directors or athletic coaches. No attempt has been made to solve any problem. However, the information collected will be useful to those who are planning curricula in schools or departments of athletic coaching. When using any of the information presented in the following pages, one should bear in mind that the facts relate only to existing conditions and should avoid the error of assuming that it is desirable to perpetuate these conditions. For example, it was found that golf teams are coached by only 2.5 percent of the men from whom information was secured. This fact does not justify the conclusion that coaches do not need to be prepared to coach a golf team.

This study of the duties of physical directors and athletic coaches was made possible through the cooperation of a number of principals and superintendents, as well as of the men actually engaged in this division of school work. The fact that slightly more than 50 percent of the questionnaires were returned is worthy of comment. It indicates more than a passing interest in the inquiry. The Bureau of Educational Research is glad to acknowledge its indebtedness to all who have cooperated in the investigation.

WALTER S. MONROE, *Director.*

March 29, 1926.

1874
1875
1876

THE DUTIES OF MEN ENGAGED AS PHYSICAL DIRECTORS OR ATHLETIC COACHES IN HIGH SCHOOLS¹

Purposes and sources of information. The following pages present a summary of certain information relative to the duties of men engaged as physical directors or athletic coaches in high schools. The questionnaire used in collecting the information is reproduced in the Appendix in order to show the particular items of information asked for and the form in which the answers were given. Examination of the questionnaire will show that an effort was made to state the questions so that the answers would require relatively little writing and be given in a form that would facilitate the task of tabulating them.

On October 30, 1925, the letter reproduced on page 6 was addressed to the principal of the high school in every other city appearing in the Educational Directory issued by the Federal Department of Education for the year 1924, except those cities having a population of 50,000 or over according to the 1920 Federal census. In the case of these cities a letter was addressed to the superintendent of schools asking that he forward the enclosed copies of the questionnaire to a representative high school in his system with the request that they be filled out and returned to the Bureau of Educational Research. The letter also contained the following statements:

"If additional blanks are needed in order to make a complete report for this school, I shall be very glad to send them upon request."

"In the case of cities which have several high schools, we should like to secure a report from more than one of them. If it meets with your approval, will you kindly give us the names of the high schools other than the one to which you transmit the enclosed blanks. We shall then communicate directly with the principals of those schools."

Requests for additional copies of the questionnaire were received from several cities. A total of approximately 2300 copies were distributed, of which slightly more than 50 percent were returned. Of those returned a few were not filled out because the school had no physical director nor athletic coach. Others were incorrectly filled out

¹S. C. Staley, Associate Professor of Physical Education and Athletic Coaching, suggested this investigation to the writer and assisted in the preparation of the questionnaire used in collecting the data. The tabulation of the data was under the immediate direction of J. A. Clark, Assistant, Bureau of Educational Research.

and several were received too late to be included in our tabulations, which represent 1032 questionnaires from 725 cities. The distribution of the sources of information with reference to size of city and geographical location is shown in Table I. The number of cities in each state is given immediately after its name. It will be noted that information was secured from all states except Wyoming. The geographical distribution is, however, not uniform; nearly half of the questionnaires being from states in the eastern and north central divisions. The large number of questionnaires from cities over 100,000 population is accounted for by the fact that such cities have several high schools and a highly developed plan of physical education.

October 30, 1925

TO THE HIGH-SCHOOL PRINCIPAL:

At the suggestion of a number of persons interested in physical education, the Bureau of Educational Research is undertaking an analysis of the activities of *men* engaged as physical directors or as athletic coaches in high schools. Will you kindly hand the enclosed questionnaire to the proper member of your staff with the request that he answer the questions and mail the blank to the Bureau of Educational Research.

Although the information sought will be most helpful to those engaged in training physical directors and athletic coaches, a summary of the replies should be of interest to high-school principals and to those engaged in physical education and the coaching of athletic teams. A report of the analysis will be published as a bulletin of the Bureau of Educational Research and a copy will be mailed to all who contribute information.

Please note that the enclosed questionnaire asks for information from *men* only. An analysis of the activities of women engaged as physical directors is not being attempted.

I am enclosing only one copy of the blank, except in the case of the larger cities. If additional blanks are needed in order to make a complete report for your school, I shall be very glad to send them upon request.

Assuring you of our appreciation of your cooperation, I am

Very truly yours,

WALTER S. MONROE, *Director*.

P. S. In case your school does not have either a physical director for men or an athletic coach, will you indicate this fact on the blank and return it.

Accuracy of information and tabulations. An examination of the questionnaires returned indicated that, although there were a few apparent absurdities, in general they had been filled out with care. Before the tabulations were begun, each report was examined and obvious errors corrected or eliminated from the items to be tabulated. All tabulations have been checked and it is reasonably certain that relatively few errors were introduced into this phase of the work. However, the reader should bear in mind that the questions were such that the answers are general in certain respects. For example, Question 7 asks concerning duties in connection with the physical education plant. The

TABLE I. DISTRIBUTION OF SOURCES OF INFORMATION

GEOGRAPHICAL DISTRIBUTIONS						
	<i>Eastern States</i>	<i>North Central</i>	<i>South Atlantic</i>	<i>South Central</i>	<i>Western</i>	<i>Total</i>
	Connecticut (18) Maine (15) Massachusetts (42) New Hampshire (4) New Jersey (24) New York (53) Pennsylvania (61) Rhode Island (6) Vermont (6)	Illinois (65) Indiana (29) Iowa (24) Kansas (20) Michigan (24) Minnesota (23) Missouri (20) Nebraska (13) North Dakota (4) Ohio (38) South Dakota (3) Wisconsin (13)	Delaware (1) Florida (7) Georgia (7) Maryland (3) North Carolina (7) South Carolina (5) Virginia (9) Washington, D. C. (7) West Virginia (5)	Alabama (7) Arkansas (9) Kentucky (9) Louisiana (7) Mississippi (2) Oklahoma (11) Tennessee (6) Texas (31)	Arizona (4) California (36) Colorado (11) Idaho (6) Montana (3) Nevada (1) New Mexico (4) Oregon (6) Utah (3) Washington (13) Wyoming	
I	Cities over 100,000..... Questionnaires.....	16 98	7 13	6 25	7 53	55 326
II	Cities 30,000 to 100,000..... Questionnaires.....	29 34	5 5	5 5	5 6	70 87
III	Cities 10,000 to 30,000..... Questionnaires.....	50 50	11 12	15 19	15 15	142 148
IV	Cities 5,000 to 10,000..... Questionnaires.....	70 74	12 12	13 13	29 29	185 189
V	Cities 2,500 to 10,000..... Questionnaires.....	111 114	16 17	43 44	31 35	273 282
	Total Cities..... Total Questionnaires.....	276 370	51 59	82 106	87 138	725 1032

TABLE II. TYPES OF INSTITUTIONS EMPLOYING THE ATHLETIC COACHES AND PHYSICAL DIRECTORS REPLYING TO THE QUESTIONNAIRE

Type of Institution	Number	Percent
Senior high school.....	678	66
Senior high school and junior high school.....	135	13
Senior high school, junior high school, and elementary school.....	77	7.5
Junior high school.....	77	7.5
Senior high school and elementary school.....	26	2.6
Junior high school, elementary school, and special methods for handi- capped children.....	8	.8
Elementary school.....	13	1.3
Miscellaneous*.....	18	1.8
Total Questionnaires.....	1032	

*This group includes those who reported a college among the institutions in which they were working.

four types of duties listed are very general and for this reason they were probably interpreted differently by different persons. Likewise, in most of the other questions an item checked may not always represent the same condition.

Types of institutions. Although the information concerning men employed as physical directors or athletic coaches was secured through the high-school principal, except in the case of the larger cities, it was realized that in some cases a man might have duties in another division of the school system, or perhaps might devote some of his time to a junior college or some other institution above the high-school level. Consequently it was thought desirable to ask concerning the type of institution in which the man was employed.

Four types of institutions were listed. (See page 20.) In many cases two or more were checked. Table II shows the distribution of the 1032 men according to the type of institution in which they are employed. Approximately two-thirds of the number devote their entire time to duties pertaining to a senior high school and an additional 13 percent are employed in a combined junior and senior high school.

In interpreting the facts given in Table II the reader should keep in mind that the investigation was planned as a study of the duties of physical directors or athletic coaches in high schools and that the information was secured largely through high-school principals. Hence, it is very unlikely that Table II indicates the provisions for physical training in public school systems. It merely states the institutional connections of the men responding to the questionnaire. The fact that only 20 percent of these men had duties in connection with an elementary

TABLE III. TYPES OF POSITIONS HELD BY ATHLETIC COACHES AND PHYSICAL DIRECTORS

Type of Position	Size of City					Total	Percent
	I	II	III	IV	V		
Teacher of physical education for men, and coach of athletic teams.....	191	45	44	47	53	380	37
Teacher of physical education for men, coach of athletic teams, and teacher of non-athletic courses.....	10	4	21	29	66	130	13
Coach of athletic teams and teacher of non-athletic courses.....	32	6	25	32	62	157	16
Coach of athletic teams.....	6	3	8	14	34	65	6.3
Teacher of physical education for men, coach of athletic teams, and supervisor of physical education.....	5	3	20	25	14	67	6.5
Teacher of physical education for men.....	40	7	5	1	1	54	5.3
Coach of athletic teams and supervisor of physical education.....	4	7	12	18	8	49	4.8
Teacher of physical education for men, teacher of physical education for girls, and coach of athletic teams.....	14	3	4	2	11	34	3.3
Teacher of physical education for men, teacher of physical education for girls, coach of athletic teams, and supervisor of physical education.....		2	2	7	9	20	2.0
Supervisor of physical education.....	16	1			3	20	2.0
Teacher of physical education for men, coach of athletic teams, supervisor of physical education, and teacher of non-athletic courses.....		2		4	5	11	1.1
Teacher of physical education for men, teacher of physical education for girls, and supervisor of physical education.....	2		1	2		5	.5
Teacher of physical education for men, and supervisor of physical education.....	1	3	2	3		9	.9
Teacher of physical education for men, teacher of physical education for girls, coach of athletic teams, and teacher of non-athletic courses.....			2	1	3	6	.6
Teacher of physical education for men, teacher of physical education for girls, coach of athletic teams, supervisor of physical education, and teacher of non-athletic courses.....	1			1	5	7	.7
Teacher of physical education for men, and teacher of non-athletic courses.....	2			1	3	6	.6
Coach of athletic teams, supervisor of physical education, and teacher of non-athletic courses.....				2	3	5	.5
Supervisor of physical education and teacher of non-athletic courses.....					2	2	.2
Teacher of physical education for men, and teacher of physical education for girls.....	2		1			3	.3
Teacher of physical education for girls and supervisor of physical education.....		1	1			2	.2
Total Questionnaires.....	326	87	148	189	282	1032	

school or a college is not at all indicative of the relative provisions for physical education in these institutions as compared with high schools.

General character of duties. A general indication of the duties of the 1032 men is furnished by Table III. Teaching physical education classes for men and coaching athletic teams are, as might be expected, the outstanding types of work. A relatively small number (6.3 percent) devote all of their time to coaching athletic teams, but 37 percent indicated that all of their duties related to teaching physical education classes for men and coaching athletic teams. An analysis of Table III

TABLE IV. DESCRIPTION OF ATHLETIC PLANT

Description	Size of City					Total	Percent
	I	II	III	IV	V		
Basketball floor.....	281	85	131	163	235	895	87
Small locker room.....	127	45	74	86	139	471	46
Large locker room.....	151	39	48	58	65	361	35
Swimming pool.....	74	28	20	14	22	158	15
Showers.....	272	83	123	154	223	855	84
Little apparatus.....	85	30	53	94	136	398	38
Sufficient apparatus.....	227	60	70	64	59	480	47
Athletic field.....	171	61	100	129	194	655	63
Playground.....	137	40	61	81	147	466	45
Tennis courts.....	62	34	59	79	119	353	35
Number of Questionnaires.....	326	87	148	189	282	1032	

shows that approximately 32 percent of the men do some teaching of non-athletic courses. Thirteen percent of them combine this function with teaching physical education classes for men or coaching athletic teams. Only 7.5 percent reported teaching physical education classes for girls.

In interpreting this table the reader should bear in mind that the facts given merely describe present conditions and hence should not be interpreted as indicating the conditions that should prevail. Table III does not show that the teaching of non-athletic courses by physical directors or athletic coaches is undesirable; neither does it show that a combination of function is desirable. It merely states certain facts relative to existing conditions.

Table IV² summarizes the information relative to the physical plant and equipment. It shows that 87 percent of the men reported a basketball floor. None of the other items of the table were checked by as large a percent. Only 15 percent indicated a swimming pool, but 35 percent stated that tennis courts were included in their plant. It appears that the available apparatus is inadequate in many high schools.

Table V supplements the information given in Table IV. In interpreting Table V the reader should bear in mind that, when two or more men are employed in a high school, the supervision of the plant is probably assigned to one. Hence, one should not expect that all men

²The fifth and sixth items of the third question (3e and 3f) relative to apparatus were apparently not correctly interpreted by some of the correspondents. In the second group of cities the sum of the frequencies of two items is greater than the total number of questionnaires, but in other groups the sums are distinctly less.

In some cases the correspondent stated that he used an athletic field, playground or other facilities which were not owned by the school. Such responses were eliminated.

TABLE V. FREQUENCY OF MENTION OF DUTIES IN CONNECTION WITH PHYSICAL EDUCATION PLANT

Duties	Size of City					Total	Percent
	I	II	III	IV	V		
Supervise sanitation of gymnasium.....	200	57	80	99	132	568	55
Supervise conditioning of:							
Athletic field.....	125	41	86	113	192	557	54
Playground.....	120	37	73	98	170	498	48
Tennis courts.....	104	36	70	95	167	472	46
Supervise sanitation of swimming pool.....	34	20	11	7	14	86	8.4
Supervise the care of equipment.....	230	68	121	153	231	803	78
Number of Questionnaires.....	326	87	148	189	282	1032	

TABLE VI. SPORTS IN WHICH TEAMS ARE COACHED

Sports	Size of City					Total	Percent
	I	II	III	IV	V		
Football.....	141	59	124	160	233	717	69
Basketball.....	150	61	121	165	256	753	73
Track.....	147	48	93	144	211	643	63
Baseball.....	118	37	80	110	166	511	50
Soccer.....	42	11	6	9	7	75	7.3
Tennis.....	32	11	15	25	52	135	13
Golf.....	12	6	2	2	3	25	2.5
Wrestling.....	14	6	6	12	14	52	5.1
Swimming.....	44	18	5	8	9	84	8.2
Boxing.....	11	8	4	8	10	41	4.0
Cross Country.....	35	13	14	15	12	89	8.7
LaCrosse.....	1	1		1		3	.3
Number of Questionnaires.....	326	87	148	189	282	1032	

TABLE VII. NUMBER OF SPORTS PER COACH

Number of Sports Coached	Size of City					Total	Percent
	I	II	III	IV	V		
1.....	48	7	7	4	8	74	7.8
2.....	79	9	17	13	24	142	14.9
3.....	78	29	55	82	103	347	36.4
4.....	39	15	34	55	97	240	25.2
5 or more.....	36	16	27	27	45	151	15.8
Total.....	280	76	140	181	277	954	

would report duties under this head. In connection with the supervision of the conditioning of athletic field, playground, or tennis courts, some of the correspondents checked item 7b, "Supervise conditioning of athletic field, playground, and tennis courts," while others checked one or two of the sub-items. The latter condition made it desirable to tabulate the three sub-items separately, but in doing so it was necessary to count each of them as having been checked when the whole item was checked. Hence, the frequencies for "athletic field," "playground" and "tennis courts" are probably larger than they should be. For example, Table V states that 46 percent of the men reported supervising the conditioning of tennis courts, while Table IV states that only 35 percent of the men reported tennis courts as a part of their plant.³

Duties of Coaches. Question 8 asked: "In what sports are you now coaching a team, or expecting to coach a team during the present school year, to represent your school in competition with teams from other schools?" The replies are summarized in Table VI. Basketball is the most frequently mentioned sport. However, football, track, and baseball are also clearly outstanding sports. The other sports listed in Question 8 are included in the athletic programs of relatively few high schools.⁴

Table VII summarizes the number of sports per coach. Over one-third coach teams in three sports and one-fourth handle four sports. The number who coach teams in five or more sports is slightly more than double the number who confine their coaching to a single sport.

Table VIII compares the coaching of teams with the provisions for the sport. Coaching a football team was reported by 712 correspondents but only 70 percent of them indicated that the school provided an athletic field. If the replies are assumed to be valid, this means that 30 percent of the coaches must take their teams to a field off of the school property.

³A comparison of the responses to Question 7 with those for Questions 3-6 revealed some apparent absurdities. For example, a few men reported "supervising the conditioning of tennis courts" as a duty but stated that their plant did not include a tennis court. In some of these cases the explanation was volunteered that they used courts in a city park. It is likely that most or possibly all of the apparent errors could be explained in this way.

⁴Reference to Table III will show that only 101 men did not include coaching in describing the position held. For this reason the percents in the last column of Table VI, which were calculated by using 1032 as a base, do not represent the proportion of coaches who coach teams in the sports listed, but rather the proportion of the total number replying to the questionnaire who coach teams. If 931 (1032 - 101) had been used as a base, the percents would of course be larger and have a somewhat different meaning.

Activities in which classes are taught. Question 9 asked: "In what activities are you now teaching, or expecting to teach during the present school year, regular physical education classes?" The replies to this question are summarized in Table IX. In interpreting this table, the reader should bear in mind the distinction between "teaching regular physical education classes" and "coaching a team to represent your school in competition with teams from other schools."

The most frequently mentioned activities are calisthenics (free exercise), group games, basketball, relay racing (mass type), marching, track and field and volley ball. Each of these seven activities was mentioned by more than 50 percent of those replying to the questionnaire. The only activities not reported by at least 10 percent of the correspondents are golf (3.6 percent), winter sports (6.6 percent) and folk dancing (7.2 percent).

TABLE VIII. PROVISIONS FOR SPORTS

Sports	Number of Men Coaching	Percent Reporting Necessary Facilities
Football.....	712	70
Track.....	638	67
Baseball.....	510	65
Basketball.....	748	89
Tennis.....	132	58
Swimming.....	84	55

Non-instructional duties. Questions 10-15 inclusive relate to certain non-instructional activities. The replies are summarized in Table X. It appears that most coaches are responsible for keeping the members of their teams in good physical condition. The rendering of first aid at school and giving physical examinations or assisting in the giving of them are important duties. A relatively small number (28 percent) reported that they attempted to improve health conditions in the homes and community. Slightly less than one-half of the coaches (49 percent) reported that they carried on publicity work in connection with advertising games, health campaigns, and so forth. Only 8.2 percent reported making "many public speeches." In connection with this last item it should be noted that nearly one-fourth of the correspondents failed to respond to either of the questions concerning public speeches.

It appears that most coaches and physical directors (77 percent) purchase equipment but only slightly more than one-third "manage the

TABLE IX. ACTIVITIES IN WHICH REGULAR PHYSICAL EDUCATION CLASSES ARE TAUGHT

Activities	Size of City					Total	Percent
	I	II	III	IV	V		
Football.....	98	50	73	85	109	415	40
Basketball.....	188	68	99	119	149	623	60
Track and field.....	193	59	79	108	128	567	55
Baseball.....	151	42	66	80	105	444	43
Soccer.....	110	25	40	35	43	253	25
Volleyball.....	193	56	79	106	114	548	53
Playground ball.....	136	46	57	67	76	382	37
Hand ball.....	26	14	13	22	35	110	11
Tennis.....	42	23	25	29	55	174	17
Golf.....	14	14	3	2	4	37	3.6
Boxing.....	44	23	26	35	39	167	16
Wrestling.....	50	23	35	44	26	178	17
Group games.....	231	61	92	117	113	614	60
Relay racing (mass type).....	227	65	87	108	112	599	58
Combative contests (hand-wrestle, etc.).....	147	38	54	63	50	352	34
Individual athletics (rope climb, high jump, etc.).....	203	56	78	83	79	499	48
Tumbling stunts.....	165	49	63	78	76	431	42
Apparatus stunts.....	205	55	65	65	62	452	44
Pyramids.....	94	38	47	61	51	291	28
Gymnastic dancing.....	71	16	25	26	23	161	16
Folk dancing.....	20	9	15	11	19	74	7.2
Swimming.....	58	32	17	17	19	143	14
Life saving.....	44	23	17	19	16	119	12
Winter sports (skating, ice hockey, etc.).....	24	11	7	13	13	68	6.6
Marching.....	220	68	82	105	103	578	56
Calisthenics (free exercise).....	255	73	107	133	153	721	70
Exercises with hand apparatus (wands, dumbbells, etc.).....	152	44	49	59	53	357	35
Corrective gymnastics for individual defectives.....	162	46	57	69	63	397	39
Number of Questionnaires.....	326	87	148	189	282	1032	

finances relative to athletics." Since 70 percent indicated that they make out their own program of physical education activities, it is probably true that men in charge of physical education have almost complete freedom in regard to the planning of their programs.

Duties in connection with intra-mural activities were indicated by 56 percent but it appears that relatively few athletic coaches and physical directors promote or direct Boy Scout work (9.5 percent). One-fifth reported the promotion and direction of general recreational work for the high-school faculty or some other adult group. Working in a summer camp was reported by 22 percent.

Table XI summarizes the replies to Question 16 "Check the condition (only one) which you consider most essential to retaining your present position."⁵

- | | |
|------------------------|---------------------------------------|
| a. Personal character | d. Placating superior school officers |
| b. Political influence | e. Teaching ability |
| c. Winning teams | f. Popularity in community" |

⁵A few of the correspondents checked two or more items. Their replies were not included in the tabulation.

TABLE X. NON-INSTRUCTIONAL DUTIES OF ATHLETIC COACHES AND PHYSICAL DIRECTORS

Duties	Size of City					Total	Percent
	I	II	III	IV	V		
Make few public speeches.....	205	62	100	136	197	700	68
Make many public speeches.....	20	10	20	16	18	84	8.2
Stage exhibitions, amateur circuses, etc.....	122	36	43	62	71	334	32
Carry on any publicity work.....	113	34	74	110	172	503	49
Purchase equipment.....	187	58	136	165	242	788	77
Render first aid at the school.....	232	61	94	122	164	673	65
Assist in physical examination of boys.....	181	45	62	81	100	469	46
Give physical examinations.....	114	15	16	31	34	210	20
Prescribe corrective exercises for subnormal students.....	151	44	52	66	58	371	36
Measure the physical abilities of students.....	168	45	41	57	67	378	37
Attempt to improve health conditions in the homes and community.....	101	33	34	47	64	279	28
Manage the finances relative to athletics.....	91	23	64	70	144	392	38
Officiate in athletic contests.....	227	62	94	120	193	696	68
Promote physical activities for the whole student body after school. (Intramural athletics).....	219	52	79	93	138	581	56
Promote and direct boyscout work.....	21	6	16	29	26	98	9.5
Promote and direct general recreational work for faculty or other adult groups.....	65	25	28	38	51	207	20
Take a vital part in the social activities of the school.....	194	54	109	144	229	730	71
Make out program of physical education activities	154	69	125	150	223	721	70
Follow direction of a superior officer (principal, director, etc.).....	161	24	17	28	43	273	26
Follow a state or city handbook.....	70	7	19	19	30	145	14
Responsible for keeping the members of teams in good physical condition.....	219	70	124	157	242	812	79
Carry on experiments of a scientific nature.....	93	27	33	35	66	254	25
Work in a summer camp.....	86	18	27	41	52	224	22
Number of Questionnaires.....	326	87	148	189	282	1032	

TABLE XI. CONDITIONS CONSIDERED MOST IMPORTANT FOR RETAINING PRESENT POSITION

Conditions	Size of City					Total	Percent
	I	II	III	IV	V		
Personal character.....	97	35	53	70	108	363	43
Political influence.....			2	1	2	5	.6
Winning teams.....	9	9	14	20	39	91	11
Placating superior school officers.....	7	1	2	3	5	18	2.2
Teaching ability.....	150	22	45	48	67	332	39.4
Popularity in community.....	1	5	3	6	17	32	3.8
Total Questionnaires.....	264	72	119	148	238	841	

“Personal character” was named by slightly more than two-fifths (43 percent) and “teaching ability” by a slightly smaller proportion (39 percent). Only five men checked “political influence” and “winning teams” was indicated by only 91 (11 percent). “Popularity in the community” was checked by only 32 but 17 of these are in the fifth group of cities (population 2500-4999), which suggests that this is a much more important factor in small communities.

TABLE XII. PROFESSIONAL TRAINING OF ATHLETIC COACHES AND PHYSICAL DIRECTORS DISTRIBUTED ACCORDING TO SIZE OF CITY

	Size of City					Total	Percent
	I	II	III	IV	V		
1 summer session.....	10	3	15	16	37	81	9.9
2 or more summer sessions.....	13	7	21	18	14	73	8.9
1 or more semesters less than a total of 100 weeks..	103	23	31	55	84	296	36
100 weeks or more.....	124	35	50	48	59	316	38
Graduates*.....	31	9	3	9	4	56	6.9
Total Questionnaires.....	281	77	120	146	198	822	

*The questionnaire did not ask for this item of information. Hence, the number of graduates should be interpreted to mean merely the number who volunteered the information.

Training of athletic coaches and physical directors. Tables XII and XIII present a summary of the information secured relative to the professional training for teaching physical education. Only 822 of the correspondents supplied this information and the answers received indicated that a number of these had not clearly understood the request. The question was intended to ask concerning the amount of training which might be considered professional in the special field of physical education. It is likely that those reporting more than one hundred weeks of training included the total time spent in college. Although the question was not asked, several indicated that they had graduated from the institution attended. The reader should bear this in mind and not conclude that only 56 percent of the correspondents were college graduates. It is likely that many of those reporting "100 weeks or more" are college graduates.

TABLE XIII. AMOUNT OF TRAINING OF ATHLETIC COACHES AND PHYSICAL DIRECTORS DISTRIBUTED ACCORDING TO TYPE OF POSITION

Type of Position	1 summer session	2 or more summer sessions	1 or more semesters less than a total of 100 weeks	100 weeks or more	Graduates*	Total
Teacher of physical education for men, and coach of athletic teams, and coach of non-athletic courses.....	21	26	122	132	37	338
Coach of athletic teams and teacher of non-athletic courses.....	13	13	44	25	2	97
Coach of athletic teams.....	25	15	27	18	85	155
Teacher of physical education for men, coach of athletic teams, and supervisor of physical education.....	10	2	11	10	33	56
Coach of athletic teams and supervisor of physical education.....	5	9	21	26	4	65
Teacher of physical education for men, teacher of physical education for girls, and coach of athletic teams.....	1	1	14	18	5	39
Coach of athletic teams and supervisor of physical education.....	1	1	10	22	1	34
Teacher of physical education for men, coach of athletic teams, supervisor of physical education, and teacher of non-athletic courses.....	1	1	2	8	4	16
Teacher of physical education for men, teacher of physical education for girls, and supervisor of physical education.....	1	1	4	3	8	16
Teacher of physical education for men, and supervisor of physical education.....	1	1	1	2	4	8
Teacher of physical education for men, teacher of physical education for girls, and coach of athletic teams, and teacher of non-athletic courses.....	1	1	1	6	1	9
Teacher of physical education for men, teacher of physical education for girls, and coach of athletic teams, supervisor of physical education, and teacher of non-athletic courses.....	2	1	2	3	7	12
Teacher of physical education for men.....	1	1	2 $\frac{1}{2}$	25	1	51
Teacher of physical education for men, and teacher of non-athletic courses.....	1	1	2	3	5	11
Coach of athletic teams, supervisor of physical education, and teacher of non-athletic courses.....	1	1	1	1	3	6
Supervisor of physical education and teacher of non-athletic courses.....	8	8	10	10	1	19
Supervisor of physical education.....	1	1	1	2	3	7
Teacher of physical education for men, and teacher of physical education for girls.....	1	1	1	1	2	5
Teacher of physical education for girls, and supervisor of physical education.....	1	1	1	1	2	5
Total Questionnaires.....	81	73	296	316	56	822
Percent.....	10	9	36	38	7	

*Questionnaire did not ask for this item of information. Hence, the number of graduates should be interpreted to mean merely the number who volunteered the information.

APPENDIX*

UNIVERSITY OF ILLINOIS
COLLEGE OF EDUCATION
URBANA

BUREAU OF EDUCATIONAL RESEARCH
OFFICE OF DIRECTOR

A QUESTIONNAIRE TO DETERMINE THE ACTIVITIES OF MEN ENGAGED AS PHYSICAL DIRECTORS OR AS ATHLETIC COACHES IN HIGH SCHOOLS¹

This questionnaire, which is transmitted to you through the principal of your high school, is for the purpose of ascertaining the particular types of activities in which directors of physical education and athletic coaches engage. It is hoped that all directors and coaches who receive a copy of this questionnaire will supply the information called for.

The merits of the analysis will depend largely upon securing accurate information. You are therefore urged to read each of the questions carefully. These have been constructed so that very little writing in answering them will be required.

A report of the analysis will be published as a bulletin of the Bureau of Educational Research and a copy will be mailed to all who contribute information. The date of publication will be determined largely by the promptness with which you reply to this questionnaire.

When the questions on the following pages have been answered, return this blank to the Bureau of Educational Research, University of Illinois, Urbana, Illinois. A stamped envelope is enclosed for your convenience.

¹This questionnaire was printed as a 4 page folder 8½ x 11.

NAME.....YOUR TITLE.....

SCHOOL.....CITY.....STATE.....

Have you had professional training for teaching physical education?.....

If so, in what institutions:

How many weeks?

.....
.....
.....

1. In what type or types of schools are you now teaching? (Answer this question by checking the appropriate statement or statements.)

- a. Junior high school or upper grades.
- b. Senior high school.
- c. College, normal school or university.
- d. Elementary school (Grades I to VI or V to VIII).

2. What is the general character of your position? (Answer this question by checking the appropriate statement or statements.)

- a. Teacher or director of physical education for men.
- b. Teacher or director of physical education for girls.
- c. Coach of athletic teams.
- d. Supervisor of physical education in a school system.
- e. Teacher of non-athletic courses, such as history, mathematics, shop work, etc.

3. Do you have a gymnasium? If so, check in the following list the terms which best describe your gymnasium and its equipment.

- a. Basketball floor. (895)²
- b. Locker room. (small, 471; large, 361)
- c. Swimming pool. (158)
- d. Showers. (855)
- e. Little apparatus. (398)
- f. Sufficient apparatus for needs of classes. (480)

4. Do you have an athletic field as a part of your plant? (Yes, 655; No, 319)

5. Do you have a playground as a part of your plant? (Yes, 466; No, 442)

6. Do you have tennis courts? (Yes, 353; No, 585)

7. What are your duties in connection with your plant?

- a. Supervise sanitation of gymnasium. (568)
- b. Supervise conditioning of athletic field (1) (557), playground (2) (498) and tennis courts. (3) (472)
- c. Supervise sanitation of swimming pool. (86)
- d. Supervise the care of equipment. (803)

²The numbers in parentheses represent the responses to the several questions.

8. In what sports are you now coaching a team, or expecting to coach a team during the present school year, to represent your school in competition with teams from other schools? *Note* that the question calls for naming the sports in which you are now coaching or will coach a team during the present year. Do *not* name the sports in which you can coach teams.

- a. Football. (717)
- b. Basketball. (753)
- c. Track. (643)
- d. Baseball. (511)
- e. Soccer. (75)
- f. Tennis. (135)
- g. Golf. (25)
- h. Wrestling. (52)
- i. Swimming. (84)
- j. Boxing. (41)
- k. Cross Country. (89)
- l. LaCrosse. (3)
- m.
- n.
- o.

9. In what activities are you now teaching, or expecting to teach during the present school year, regular physical education classes?

- a. Football. (415)
- b. Basketball. (623)
- c. Track and field. (567)
- d. Baseball. (444)
- e. Soccer. (253)
- f. Volleyball. (548)
- g. Playground ball. (382)
- h. Hand ball. (110)
- i. Tennis. (174)
- j. Golf. (37)
- k. Boxing. (167)
- l. Wrestling. (178)
- m. Group games. (614)
- n. Relay racing (mass type). (599)
- o. Combative contests (hand-wrestle, etc.). (352)
- p. Individual athletics (rope climb, high jump, etc.). (499)
- q. Tumbling stunts. (431)
- r. Apparatus stunts. (452)
- s. Pyramids. (291)
- t. Gymnastic dancing. (161)
- u. Folk dancing. (74)
- v. Swimming. (143)
- w. Life saving. (119)
- x. Winter sports (skating, ice hockey, etc.). (68)
- y. Marching. (578)
- z. Calisthenics (free exercise). (721)
- aa. Exercises with hand apparatus (wands, dumbbells, etc.). (357)
- bb. Corrective gymnastics for individual defectives. (397)





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